

In re application of WILLIAMS ET AL.
Serial No. 09/849,170

Listing of the Claims:

1. (Previously presented): A computer system, comprising,
a writing instrument that generates movement information including acceleration
information from a user's handwriting; and
a conversion component that utilizes the acceleration information to
generate line thickness information.
2. (Original): The computer system of claim 1, wherein the writing
instrument is a pen.
3. (Previously presented): The computer system of claim 1, wherein
the writing instrument comprises an accelerometer configured to generate the
acceleration information.
4. (Previously presented): The computer system of claim 3, wherein
the accelerometer generates analog movement information, and wherein the
writing instrument comprises an analog-to-digital converter for converting the
analog movement information to digital data.
5. (Original): The computer system of claim 4, wherein the conversion
component is located remote from the writing instrument, and further comprising
transmitting the digital data to the conversion component.

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6. (Original): The computer system of claim 5, wherein the digital data is transmitted via a wireless connection.

7. (Original): The computer system of claim 5, wherein the digital data is transmitted via a hardwired connection.

8. (Original): The computer system of claim 3, wherein the accelerometer is configured to generate tilt information.

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9. (Previously presented): A computer system, comprising,
a writing instrument that generates movement information including acceleration information from a user's handwriting; and

a conversion component that utilizes the acceleration information to generate line thickness information based upon spacing of plots in a map of a plot of the movement information.

10. (Original): The computer system of claim 9, wherein the thickness information is based upon the samples/unit distance of the plots.

11. (Original): The computer system of claim 10, wherein the thickness information increases a thickness component as the samples/unit distance increase.

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12. (Previously presented): The computer system of claim 3, wherein the conversion component generates thickness information based upon wavelengths of the movement information.

13. (Original): The computer system of claim 12, wherein the thickness information increases a thickness component as the wavelengths increase.

14. (Original): The computer system of claim 1, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.

15. (Original): The computer system of claim 14, wherein the digital data is transmitted via a wireless connection.

16. (Original): The computer system of claim 14, wherein the digital data is transmitted via a hardwired connection.

17. (Previously presented): The computer system of claim 3, wherein the movement information comprises tilt information.

18. (Previously presented): A computer system, comprising,

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a writing instrument that generates movement information including acceleration and tilt information from a user's handwriting; and

a conversion component that utilizes the acceleration information to generate line thickness information based upon spacing of plots in a map of a plot of the tilt information.

19. (Original): The computer system of claim 18, wherein the thickness information is based upon the samples/unit distance of the plots.

20. (Original): The computer system of claim 19, wherein the thickness information increases a thickness component as the samples/unit distance increase.

21. (Previously presented): The computer system of claim 1, wherein the movement information comprises pulses having wavelengths.

22. (Original): The computer system of claim 21, wherein the thickness information increases a thickness component as the wavelengths increase.